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Student Notes

Science on Saturday

April 1, 2006

Our Universe: Watch Out!

Presenter:

Dr. Wil van Breugel, Research Astronomer, Institute of Geophysics & Planetary Physics, Lawrence Livermore National Laboratory, and Adjunct Professor in the School of Natural Sciences, UC Merced

Goal:

Students will learn how scientists are learning about the violent universe and the formation of galaxies, stars, planets, and ultimately us.

Questions:

What questions were posed by Dr. van Breugel that you should know at the end of this presentation?

Question – 1

How do stars and planets form?

Answer to question - 1

Question - 2

What are some of the dangers to planets, including Earth?

Answer to question - 2

Question - 3

How do galaxies get larger?

Answer to question - 3

Question - 4

What happens when galaxies collide?

Answer to question - 4

Question - 5

What are active black holes?

Answer to question - 5

Question - 6

What can happen when jets collide with interstellar gas?

Answer to question - 6